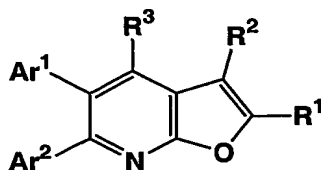


WHAT IS CLAIMED IS:

1. A compound of structural formula I:



I

5 wherein:

R¹ is selected from:

- (1) C₁₋₁₀alkyl,
- (2) C₂₋₁₀ alkenyl,
- (3) C₂₋₁₀alkynyl,
- 10 (4) -CN,
- (5) -COR⁴,
- (6) -S(O)_mR⁴,
- (7) -S(O)₂NH(CO)_nNRe,
- (8) cycloheteroalkyl,
- 15 (9) aryl, and
- (10) heteroaryl,

wherein alkyl, alkenyl, and alkynyl are optionally substituted with one, two, or three substituents independently selected from R^a, and cycloheteroalkyl, aryl and heteroaryl are optionally substituted with one, two, or three substituents independently selected from R^b;

20 R² is selected from:

- (1) hydrogen,
- (2) -NR⁵R⁶,
- (3) -COR⁴,
- (4) C₁₋₆alkyl,
- 25 (5) C₂₋₆ alkenyl,
- (6) C₂₋₆alkynyl,
- (7) aryl,
- (8) arylC₁₋₆alkyl-,
- (9) arylC₂₋₆alkenyl,
- 30 (10) heteroaryl,

- (11) heteroarylC₁₋₆alkyl-,
- (12) heteroarylC₂₋₆alkenyl,
- (13) cycloheteroalkyl,
- (14) hydroxyl, and
- 5 (15) ORG,

wherein alkyl, alkenyl, and alkynyl are optionally substituted with one, two, or three substituents independently selected from R^a; and aryl and heteroaryl are optionally substituted with one, two, or three substituents independently selected from R^b, and cycloheteroalkyl is optionally substituted with one, two, three or four substituents independently selected from R^b and oxo;

10 R³ is selected from:

- (1) hydrogen,
- (2) C₁₋₆alkyl,
- (3) C₁₋₆alkyloxy,
- (4) trifluoromethyl,
- 15 (5) trifluoromethoxy,
- (6) halo, and
- (7) C₃₋₇cycloalkyl,

wherein alkyl, and cycloalkyl are optionally substituted with one, two, or three substituents independently selected from R^a;

20 R⁴ is selected from:

- (1) hydrogen,
- (2) C₁₋₁₀alkyl,
- (3) C₂₋₁₀ alkenyl,
- (4) C₂₋₁₀alkynyl,
- 25 (5) cycloalkyl,
- (6) cycloalkyl-C₁₋₁₀alkyl,
- (7) cycloheteroalkyl,
- (8) cycloheteroalkyl-C₁₋₁₀ alkyl,
- (9) aryl,
- 30 (10) heteroaryl,
- (11) aryl-C₁₋₁₀alkyl,
- (12) heteroaryl-C₁₋₁₀alkyl-,
- (13) -OR^e,
- (14) -NR^dR^e,
- 35 (15) -NH(CO)OR^e, and

(16) $-NR^dSO_2R^e$,

wherein alkyl, alkenyl, alkynyl and cycloalkyl are optionally substituted with one, two, three or four substituents independently selected from R^a , and cycloheteroalkyl, aryl and heteroaryl are optionally substituted with one, two, three or four substituents independently selected from R^b ;

5 R^5 and R^6 are each independently selected from:

- (1) hydrogen,
- (2) C_{1-10} alkyl,
- (3) C_{2-10} alkenyl,
- (4) C_{2-10} alkynyl,
- 10 (5) aryl,
- (6) heteroaryl,
- (7) cycloalkyl,
- (8) trifluoromethyl,
- (9) $-C(O)-R^c$,
- 15 (10) $-CO_2R^c$,
- (11) $-C(O)C(O)OR^c$,
- (12) $-C(O)C(O)NR^eR^f$,
- (13) $-S(O)_mR^c$, and
- (14) $-C(O)N(R^d)S(O)_mR^c$,

20 wherein alkyl, alkenyl, alkynyl, and cycloalkyl may be optionally substituted with one or two R^a substituents, and aryl may be optionally substituted with one or two R^b substituents, or R^5 and R^6 together form $=CH-N(R^e)(R^f)$;

Ar^1 and Ar^2 are independently selected from:

- (1) aryl,
- 25 (2) heteroaryl,

wherein aryl and heteroaryl are optionally substituted with one, two, three or four substituents independently selected from R^b ;

each R^a is independently selected from:

- (1) $-OR^e$,
- 30 (2) $-NR^dS(O)_mR^c$,
- (3) $-NO_2$,
- (4) halogen,
- (5) $-S(O)_mR^c$,
- (6) $-SR^e$,
- 35 (7) $-S(O)_2OR^e$,

- (8) $-S(O)_mNR^eR^f$,
- (9) $-NR^eR^f$,
- (10) $-O(CR^eR^f)_nNR^eR^f$,
- (11) $-C(O)R^c$,
- (12) $-CO_2R^c$,
- (13) $-CO_2(CR^eR^f)_nCONR^eR^f$,
- (14) $-OC(O)R^c$,
- (15) $-CN$,
- (16) $-C(O)NR^eR^f$,
- (17) $-NR^dC(O)R^c$,
- (18) $-NR^dC(O)OR^e$,
- (19) $-NR^dC(O)NR^dR^e$,
- (20) $-CR^d(N-OR^e)$,
- (21) CF_3 ,
- (22) $-OCF_3$,
- (23) C_{3-8} cycloalkyl, and
- (24) cycloheteroalkyl;

each R^b is independently selected from:

- (1) R^a ,
- (2) C_{1-10} alkyl,
- (3) aryl,
- (4) aryl C_{1-4} alkyl,
- (5) heteroaryl, and
- (6) heteroaryl C_{1-4} alkyl,

wherein aryl and heteroaryl are unsubstituted or substituted with one, two or three substituents independently selected from R^h ;

each R^c is independently selected from:

- (1) hydrogen,
- (2) C_{1-10} alkyl,
- (3) C_{2-10} alkenyl,
- (4) C_{2-10} alkynyl,
- (5) C_{1-8} perfluoroalkyl,
- (6) cycloalkyl,
- (7) cycloalkyl- C_{1-10} alkyl,
- (8) cycloheteroalkyl,

- (9) cycloheteroalkyl-C₁₋₁₀ alkyl,
- (10) aryl,
- (11) heteroaryl,
- (12) aryl-C₁₋₁₀alkyl,
- 5 (13) heteroaryl-C₁₋₁₀alkyl, and
- (14) -NR^dR^d,

wherein alkyl, cycloalkyl, cycloheteroalkyl, phenyl, and heteroaryl may be substituted with one or two R^h substituents, and alkyl, cycloalkyl, cycloheteroalkyl may be substituted on a carbon or sulfur atom with one or two oxo substituents;

- 10 each R^d is independently selected from hydrogen, C₁₋₁₀alkyl, C₁₋₁₀alkylcarbonyl-,arylsulfonyl, C₁₋₁₀alkylsulfonyl, wherein the alkyl and aryl groups may be unsubstituted or substituted with one, two or three substituents independently selected from R^h wherein the alkyl may be unsubstituted or substituted with one, two or three substituents independently selected from R^h;
- 15 R^e and R^f are independently selected from hydrogen, C₁₋₁₀alkyl, C₂₋₁₀ alkenyl, C₂₋₁₀alkynyl, trifluoromethyl, cycloalkyl, cycloalkyl-C₁₋₁₀ alkyl, cycloheteroalkyl, cycloheteroalkyl-C₁₋₁₀ alkyl, aryl, heteroaryl, aryl-C₁₋₁₀ alkyl, and heteroaryl-C₁₋₁₀ alkyl at each occurrence; or when bonded to the same atom, R^e and R^f together with the atom to which they are attached form a ring of 5 to 7 members containing 0, 1, or 2 heteroatoms independently selected from oxygen, sulfur and nitrogen; and
- 20 each R^e and R^f may be unsubstituted or substituted on a carbon or nitrogen atom with one, two or three substituents selected from R^h;

R^g is selected from:

- (1) C₁₋₁₀alkyl,
- (2) C₁₋₁₀alkylcarbonyl-,
- 25 (3) aryl,
- (4) arylcarbonyl,
- (5) C₁₋₁₀alkylsulfonyl, and
- (6) arylsulfonyl,

wherein each alkyl may be unsubstituted or substituted with one, two or three R^a substituents, and each aryl may be unsubstituted or substituted with one, two or three R^b substituents; each R^h is independently selected from:

- (1) halogen,
- (2) C₁₋₁₀alkyl,
- (3) C₃₋₈cycloalkyl,
- 35 (4) cycloheteroalkyl,

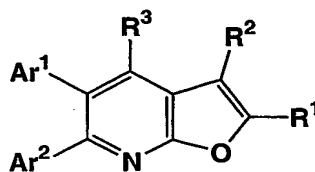
- (5) aryl,
 (6) arylC₁₋₄alkyl,
 (7) heteroaryl,
 (8) heteroarylC₁₋₄alkyl,
 5 (9) -OR_e,
 (10) -NR^dS(O)_mR_e,
 (11) -S(O)_mR^c,
 (12) -SR_e,
 (13) -S(O)₂OR_e,
 10 (14) -NR_eR_e,
 (15) -O(CR^dR^d)_nNR_eR^f,
 (16) -C(O)R^c,
 (17) -CO₂R_e,
 (18) -CO₂(CR^dR^d)_nCONR_eR^f,
 15 (19) -OC(O)R_e,
 (20) -CN,
 (21) -C(O)NR_eR^f,
 (22) -NR^dC(O)R_e,
 (23) -OC(O)NR_eR^f,
 20 (24) -NR^dC(O)OR_e,
 (25) -NR^dC(O)NR_eR^f,
 (26) CF₃, and
 (27) -OCF₃,

m is selected from 1 and 2; and

25 n is selected from 1, 2, and 3;

or a pharmaceutically acceptable salt thereof.

2. A compound of structural formula I:



I

30 wherein;

R¹ is selected from:

- (1) C₁₋₁₀alkyl,
- (2) C₂₋₁₀ alkenyl,
- (3) C₂₋₁₀alkynyl,
- 5 (4) -CN,
- (5) -COR⁴,
- (6) -S(O)_mR⁴,
- (7) -S(O)₂NH(CO)_nNR^e,
- (8) aryl, and
- 10 (9) heteroaryl,

wherein alkyl, alkenyl, and alkynyl are optionally substituted with one, two, or three substituents independently selected from R^a, and aryl and heteroaryl are optionally substituted with one, two, or three substituents independently selected from R^b;

R² is selected from:

- 15 (1) hydrogen,
- (2) -NR⁵R⁶,
- (3) -COR⁴,
- (4) C₁₋₆alkyl,
- (5) C₂₋₆ alkenyl,
- 20 (6) C₂₋₆alkynyl,
- (7) aryl,
- (8) heteroaryl,
- (9) cycloheteroalkyl,
- (10) hydroxyl, and
- 25 (11) OR_g,

wherein alkyl, alkenyl, and alkynyl are optionally substituted with one, two, or three substituents independently selected from R^a; and aryl, heteroaryl, and cycloheteroalkyl are optionally substituted with one, two, or three substituents independently selected from R^b;

R³ is selected from:

- 30 (1) hydrogen,
- (2) C₁₋₆alkyl,
- (3) C₁₋₆alkyloxy,
- (4) trifluoromethyl,
- (5) trifluoromethoxy,
- 35 (6) halo, and

(7) C₃₋₇cycloalkyl,

wherein alkyl, and cycloalkyl are optionally substituted with one, two, or three substituents independently selected from R^a;

R⁴ is selected from:

- 5 (1) hydrogen,
- (2) C₁₋₁₀alkyl,
- (3) C₂₋₁₀ alkenyl,
- (4) C₂₋₁₀alkynyl,
- (5) cycloalkyl,
- 10 (6) cycloalkyl-C₁₋₁₀alkyl,
- (7) cycloheteroalkyl,
- (8) cycloheteroalkyl-C₁₋₁₀ alkyl,
- (9) aryl,
- (10) heteroaryl,
- 15 (11) aryl-C₁₋₁₀alkyl-,
- (12) heteroaryl-C₁₋₁₀alkyl-,
- (13) -OR^e,
- (14) -NR^dR^e,
- (15) -NH(CO)OR^e, and
- 20 (16) -NR^dSO₂R^e,

wherein alkyl, alkenyl, alkynyl and cycloalkyl are optionally substituted with one, two, three or four substituents independently selected from R^a, and cycloheteroalkyl, aryl and heteroaryl are optionally substituted with one, two, three or four substituents independently selected from R^b; R⁵ and R⁶ are each independently selected from:

- 25 (1) hydrogen,
- (2) C₁₋₁₀alkyl,
- (3) C₂₋₁₀ alkenyl,
- (4) C₂₋₁₀alkynyl,
- (5) aryl,
- 30 (6) cycloalkyl,
- (7) trifluoromethyl,
- (8) -C(O)-R^c,
- (9) -CO₂R^c, and
- (10) -S(O)_mR^c,

wherein alkyl, alkenyl, alkynyl, and cycloalkyl may be optionally substituted with one or two R^a substituents, and aryl may be optionally substituted with one or two R^b substituents;

Ar^1 and Ar^2 are independently selected from:

- (1) aryl,
- (2) heteroaryl,

wherein aryl and heteroaryl are optionally substituted with one, two, three or four substituents independently selected from R^b ;

each R^a is independently selected from:

- (1) $-OR^e$,
- (2) $-NR^dS(O)_mR^c$,
- (3) $-NO_2$,
- (4) halogen,
- (5) $-S(O)_mR^c$,
- (6) $-SR^e$,
- (7) $-S(O)_2OR^e$,
- (8) $-S(O)_mNR^eR^f$,
- (9) $-NR^eR^f$,
- (10) $-O(CR^eR^f)_nNR^eR^f$,
- (11) $-C(O)R^c$,
- (12) $-CO_2R^c$,
- (13) $-CO_2(CR^eR^f)_nCONR^eR^f$,
- (14) $-OC(O)R^c$,
- (15) $-CN$,
- (16) $-C(O)NR^eR^f$,
- (17) $-NR^dC(O)R^c$,
- (18) $-NR^dC(O)OR^e$,
- (19) $-NR^dC(O)NR^dR^e$,
- (20) $-CR^d(N-OR^e)$,
- (21) CF_3 ,
- (22) $-OCF_3$,
- (23) C_3 -8cycloalkyl, and
- (24) cycloheteroalkyl;

each R^b is independently selected from:

- (1) R^a ,
- (2) C_{1-10} alkyl,

- (3) aryl,
- (4) arylC₁₋₄alkyl,
- (5) heteroaryl, and
- (6) heteroarylC₁₋₄alkyl;

5 each R^c is independently selected from:

- (1) hydrogen,
- (2) C₁₋₁₀alkyl,
- (3) C₂₋₁₀ alkenyl,
- (4) C₂₋₁₀alkynyl,
- 10 (5) trifluoromethyl,
- (6) cycloalkyl,
- (7) cycloalkyl-C₁₋₁₀alkyl,
- (8) cycloheteroalkyl,
- (9) cycloheteroalkyl-C₁₋₁₀ alkyl,
- 15 (10) aryl,
- (11) heteroaryl,
- (12) aryl-C₁₋₁₀alkyl,
- (13) heteroaryl-C₁₋₁₀alkyl, and
- (14) -NR^dR^d,

20 wherein alkyl, cycloalkyl, cycloheteroalkyl, phenyl, and heteroaryl may be substituted with one or two R^h substituents;

each R^d is independently selected from hydrogen and C₁₋₁₀alkyl;

R^e and R^f are independently selected from hydrogen, C₁₋₁₀alkyl, C₂₋₁₀ alkenyl, C₂₋₁₀alkynyl, trifluoromethyl, cycloalkyl, cycloalkyl-C₁₋₁₀ alkyl, cycloheteroalkyl, cycloheteroalkyl-C₁₋₁₀ alkyl, aryl, heteroaryl, aryl-C₁₋₁₀ alkyl, and heteroaryl-C₁₋₁₀ alkyl at each occurrence; or

25 when bonded to the same atom, R^e and R^f together with the atom to which they are attached form a ring of 5 to 7 members containing 0, 1, or 2 heteroatoms independently selected from oxygen, sulfur and nitrogen; and

each R^e and R^f may be unsubstituted or substituted on a carbon or nitrogen atom with one, two or three substituents selected from R^h;

30 R^g is selected from:

- (1) C₁₋₁₀alkyl,
- (2) C₁₋₁₀alkylcarbonyl-,
- (3) aryl,
- 35 (4) arylcarbonyl,

(5) C₁₋₁₀alkylsulfonyl, and

(6) arylsulfonyl,

wherein each alkyl may be unsubstituted or substituted with one, two or three R^a substituents, and each aryl may be unsubstituted or substituted with one, two or three R^b substituents;

5 each R^h is independently selected from:

(1) halogen,

(2) C₁₋₁₀alkyl,

(3) C₃₋₈cycloalkyl,

(4) cycloheteroalkyl,

10 (5) aryl,

(6) arylC₁₋₄alkyl,

(7) heteroaryl,

(8) heteroarylC₁₋₄alkyl,

(9) -OR^e,

15 (10) -NR^dS(O)_mR^e,

(11) -S(O)_mR^c,

(12) -SR^e,

(13) -S(O)₂OR^e,

(14) -NR^eR^e,

20 (15) -O(CR^dR^d)_nNR^eR^f,

(16) -C(O)R^c,

(17) -CO₂R^e,

(18) -CO₂(CR^dR^d)_nCONR^eR^f,

(19) -OC(O)R^e,

25 (20) -CN,

(21) -C(O)NR^eR^f,

(22) -NR^dC(O)R^e,

(23) -OC(O)NR^eR^f,

(24) -NR^dC(O)OR^e,

30 (25) -NR^dC(O)NR^eR^f,

(26) CF₃, and

(27) -OCF₃,

m is selected from 1 and 2; and

n is selected from 1, 2, and 3;

35 or a pharmaceutically acceptable salt thereof.

3. The compound according to Claim 2, wherein R³ is selected from:

- (1) hydrogen,
- (2) methyl,
- 5 (3) ethyl,
- (4) propyl,
- (5) t-butyl,
- (6) methoxy,
- (7) ethyloxy,
- 10 (8) propyloxy,
- (9) t-butyloxy,
- (10) trifluoromethyloxy,
- (11) trifluoromethyl,
- (12) halo, and
- 15 (13) cyclopropyl,

wherein the alkyl and cyclopropyl moieties are optionally substituted with one or two substituents independently selected from: halo, trifluoromethyl, methoxy, ethyloxy, methoxycarbonyl, and carboxyl; and pharmaceutically acceptable salts thereof.

4. The compound according to Claim 3, wherein Ar¹ and Ar² are each independently selected from:

- (1) phenyl, and
- (2) pyridyl,

25 wherein phenyl and pyridyl are optionally substituted with one or two R^b substituents; and pharmaceutically acceptable salts thereof.

5. The compound according to Claim 4, wherein Ar¹ and Ar² are each independently selected from:

- 30 (1) phenyl, and
- (2) pyridyl;

wherein phenyl and pyridyl are optionally substituted with one or two halogen, methyl, trifluoromethyl or cyano substituents, and pharmaceutically acceptable salts thereof.

6. The compound according to Claim 4, wherein R¹ is selected from:

- (1) C₁₋₆alkyl,
- (2) cyano,
- (3) C₁₋₆alkylcarbonyl,
- (4) cycloalkylcarbonyl,
- 5 (5) cycloheteroalkylcarbonyl,
- (6) phenylcarbonyl,
- (7) heteroarylcarbonyl,
- (8) C₁₋₆alkyloxycarbonyl,
- (9) trifluoromethyloxycarbonyl,
- 10 (10) cycloalkyloxycarbonyl,
- (11) -CON(CH₃)₂,
- (12) -CONH(CH₃),
- (13) -CONH(CF₃),
- (14) -CON(CH₂CH₃)₂,
- 15 (15) -CONH(CH₂CH₃),
- (16) -CONH(cyclopropyl),
- (17) -CON(cyclopropyl)₂,
- (18) C₁₋₆alkylsulfonyl-,
- (19) cycloalkylsulfonyl-,
- 20 (20) cycloheteroalkylsulfonyl-,
- (21) phenylsulfonyl-,
- (22) heteroarylsulfonyl-,
- (23) C₁₋₆alkyloxysulfonyl-,
- (24) trifluoromethyloxysulfonyl-,
- 25 (25) cycloalkyloxysulfonyl-,
- (26) cycloheteroalkyloxysulfonyl-,
- (27) phenyloxysulfonyl-,
- (28) heteroaryloxysulfonyl-,
- (29) -S(O)₂NR^dRe,
- 30 (30) -S(O)₂NH(CO)C₁₋₆alkyl, and
- (31) -S(O)₂NH(CO)aryl;

wherein alkyl, and cycloalkyl are optionally substituted with one, or two substituents independently selected from R^a, and cycloheteroalkyl, aryl, and heteroaryl are optionally substituted with one or two substituents independently selected from R^b;

35 each R^a is independently selected from:

- (1) -OR^e,
- (2) halogen,
- (3) -S(O)₂R^c,
- (4) -SR^e,
- 5 (5) -S(O)₂OR^e,
- (6) -S(O)₂NR^eR^f,
- (7) -NR^eR^f,
- (8) -C(O)R^c,
- (9) -CO₂R^c,
- 10 (10) -CN,
- (11) -CH(N-OR^e),
- (12) CF₃,
- (13) -OCF₃,
- (14) C₃₋₈cycloalkyl, and
- 15 (15) cycloheteroalkyl;

each R^b is independently selected from:

- (1) -OR^e,
- (2) halogen,
- (3) -S(O)₂R^c,
- 20 (4) -SH,
- (5) -SCH₃,
- (6) -NR^eR^f,
- (7) -C(O)R^c,
- (8) -CO₂R^c,
- 25 (9) -CN,
- (10) CF₃,
- (11) -OCF₃,
- (12) C₃₋₈cycloalkyl,
- (13) cycloheteroalkyl;
- 30 (14) C₁₋₄alkyl,
- (15) phenyl,
- (16) benzyl,
- (17) heteroaryl, and
- (18) heteroarylmethyl;

each R^c is independently selected from:

- (1) hydrogen,
- (2) C₁₋₆alkyl,
- (3) trifluoromethyl,
- (4) cycloalkyl,
- 5 (5) cycloheteroalkyl,
- (6) phenyl,
- (7) heteroaryl, and
- (8) -NR^dR^d,

wherein alkyl, cycloalkyl, cycloheteroalkyl, phenyl, and heteroaryl may be substituted with one or two R^h substituents;

each R^d is independently selected from:

- (1) hydrogen, and
- (2) C₁₋₆ alkyl;

each R^e is independently selected from: hydrogen, C₁₋₄alkyl, trifluoromethyl, cyclopropyl,

15 cyclopentyl, cyclohexyl, phenyl, pyridyl, pyridinyl, pyrazinyl, pyridazinyl, benzyl, and pyridylmethyl, pyrazinylmethyl, and pyridazinylmethyl at each occurrence, either unsubstituted or substituted on a carbon or nitrogen atom with one or two substituents selected from R^h;

each R^f is independently selected from: hydrogen, C₁₋₄alkyl, trifluoromethyl, cyclopropyl, cyclopentyl, cyclohexyl, cycloheteroalkyl, phenyl, pyridyl, pyridinyl, pyrazinyl, pyridazinyl,

20 benzyl, pyridylmethyl, pyridinylmethyl, pyrazinylmethyl, and pyridazinylmethyl at each occurrence, either unsubstituted or substituted on a carbon or a cycloheteroalkyl nitrogen atom with one or two substituents selected from R^h;

or R^e and R^f, together with the atom to which they are attached form a ring selected from:

pyrrolidinyl, piperidinyl, morpholinyl, 1-thia-4-azacyclohexyl, azacycloheptyl, unsubstituted or substituted on a carbon or nitrogen atom with one or two or three substituents selected from R^h;

R^g is selected from:

- (1) C₁₋₆alkyl,
- (2) methylcarbonyl-,
- (3) phenyl,
- 30 (4) phenylcarbonyl,
- (5) methylsulfonyl, and
- (6) phenylsulfonyl,

wherein each alkyl may be unsubstituted or substituted with an R^a substituent, and each phenyl may be unsubstituted or substituted with one or two R^b substituents;

each R^h is independently selected from:

- (1) halogen,
- (2) hydroxy,
- (3) methyl,
- (4) methoxy,
- 5 (5) methylthio-,
- (6) -CN,
- (7) -CF₃, and
- (8) -OCF₃;

and pharmaceutically acceptable salts thereof.

10

7. The compound according to Claim 6, wherein R² is selected from:

- (1) hydrogen,
- (2) -NR⁵R⁶,
- (3) -COR⁴,
- 15 (4) C₁₋₆alkyl, unsubstituted or substituted with one or two R^a substituents,
- (5) phenyl, unsubstituted or substituted with one or two R^b substituents,
- (6) heteroaryl selected from: pyridinyl, benzimidazolyl, imidazolyl, oxazolidinyl, ,
pyrimidyl, pyridazinyl, pyrazinyl, triazolyl, and benzotriazolyl, wherein the
heteroaryl may be unsubstituted or substituted on one or two carbon atoms with R^b;
- 20 (7) a nitrogen-linked 5 to 7 membered ring, optionally containing one other heteroatom
selected from nitrogen, sulfur and oxygen, unsubstituted or substituted on nitrogen
or carbon with an R^b substituent,
- (8) hydroxyl, and
- (9) ORG,

20

25 and pharmaceutically acceptable salts thereof.

8. The compound according to Claim 7, wherein:

R⁴ is selected from:

- (1) hydrogen,
- 30 (2) C₁₋₆alkyl,
- (3) cycloalkyl,
- (4) cycloheteroalkyl,
- (5) phenyl,
- (6) heteroaryl,
- 35 (7) aryl-C₁₋₃alkyl,

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- (8) heteroaryl-C₁₋₃alkyl-,
(9) -OR^e,
(10) -NR^dRe,
(11) -NH(CO)OR^e, and
5 (12) -NHSO₂R^e,

wherein alkyl and cycloalkyl are optionally substituted with one, or two substituents independently selected from R^a, and cycloheteroalkyl, aryl and heteroaryl are optionally substituted with one or two substituents independently selected from R^b;

R⁵ is selected from:

- 10 (1) hydrogen,
(2) C₁₋₄alkyl,
(3) phenyl,
(4) cyclopropyl,
(5) cyclopentyl,
15 (6) cyclohexyl,
(7) trifluoromethyl,
(8) methylcarbonyl-,
(9) methoxycarbonyl-,
(10) hydroxycarbonyl-, and
20 (11) -S(O)₂CH₃;

R⁶ is selected from:

- (1) hydrogen,
(2) C₁₋₆alkyl,
(3) trifluoromethyl,
25 (4) phenyl,
(5) cycloalkyl,
(6) -C(O)-R^c,
(7) -CO₂R^c, and
(8) -S(O)₂R^c,

30 wherein phenyl may be substituted with one or two R^b substituents;
and pharmaceutically acceptable salts thereof.

9. The compound according to Claim 1, wherein:

R¹ is selected from:

- 35 (1) C₁₋₁₀alkyl,

- (2) -CN,
- (3) -COR⁴,
- (4) -S(O)₂R⁴,
- (5) cycloheteroalkyl,
- (6) aryl, and
- (7) heteroaryl,

wherein alkyl is optionally substituted with one, two, or three substituents independently selected from R^a, and cycloheteroalkyl, aryl and heteroaryl are optionally substituted with one, two, or three substituents independently selected from R^b;

R² is selected from:

- (1) hydrogen,
- (2) -NR⁵R⁶,
- (3) -COR⁴,
- (4) C₁₋₆alkyl, unsubstituted or substituted with one or two R^a substituents,
- (5) phenyl, unsubstituted or substituted with one or two R^b substituents,
- (6) phenylC₁₋₃alkyl-,
- (7) heteroaryl,
- (8) heteroarylC₁₋₃alkyl-,
- (9) a nitrogen-linked 5 to 7 membered ring, optionally containing one other heteroatom selected from nitrogen, sulfur and oxygen, unsubstituted or substituted on nitrogen, sulfur or carbon with one, two, three or four substituents selected from R^b and oxo,
- (10) hydroxyl, and
- (11) ORg;

wherein alkyl is optionally substituted with one or two substituents independently selected from R^a, and phenyl is optionally substituted with one or two substituents independently selected from R^b, and heteroaryl is selected from: pyridinyl, benzimidazolyl, imidazolyl, oxazolidinyl, , pyrimidyl, pyridazinyl, pyrazinyl, triazolyl, and benzotriazolyl, wherein the heteroaryl may be unsubstituted or substituted on one or two carbon atoms with R^b;

R³ is hydrogen;

R⁴ is selected from:

- (1) methyl,
- (2) ethyl, unsubstituted or substituted with one or two substituents selected from halo, OR^e, and -OC(O)R^c,
- (3) isopropyl, unsubstituted or substituted with one or two substituents from halo, OR^e, and -OC(O)R^c,

- (4) n-propyl, unsubstituted or substituted with one or two substituents selected from halo, OR^e, and -OC(O)R^c,
- (5) t-butyl, unsubstituted or substituted with one or two substituents selected from from halo, OR^e, and -OC(O)R^c,
- 5 (6) C₃₋₆ cycloalkyl,
- (7) phenyl, unsubstituted or substituted with one or two substituents selected from halo, methyl, trifluoromethyl, methoxy, methoxycarbonyl, -NHC(O)R^c, and carboxyl,
- (8) phenyl-C₁₋₃alkyl, wherein the alkyl moiety is unsubstituted or substituted with a
10 substituent selected from: halo, methyl, trifluoromethyl, methoxy, methoxy
carbonyl, carboxyl, and -NHC(O)R^c,
- (9) heteroaryl selected from furanyl, pyridyl and imidazolyl, unsubstituted or substituted
with one or two substituents selected from halo, methyl, trifluoromethyl, methoxy,
methoxycarbonyl, and carboxyl,
- (10) cycloheteroalkyl, selected from morpholinyl, piperidinyl, pyrrolidinyl, piperazinyl,
15 imidazolidinyl, azetidiny, azabicyclo[3.1.0]hexyl, and isothiazolidinyl,
unsubstituted or substituted with methyl or -CO₂R^c,
- (11) methoxy,
- (12) ethyloxy,
- (13) t-butyloxy,
- 20 (14) isopropyloxy, and
- (15) -NR^dR^e;

R⁵ is selected from:

- (1) hydrogen,
- (2) C₁₋₄alkyl,
- 25 (3) C₂₋₄alkenyl,
- (4) phenyl,
- (5) cycloalkyl,
- (6) trifluoromethyl,
- (7) methylcarbonyl-,
- 30 (8) methoxycarbonyl-,
- (9) t-butyloxycarbonyl,
- (10) hydroxycarbonyl-,
- (11) -C(O)C(O)OR^c,
- (12) -C(O)C(O)NR^eR^f,
- 35 (13) -S(O)₂R^c, and



wherein alkyl, alkenyl, and cycloalkyl may optionally be substituted with one or two R^a substituents, and phenyl may be substituted with one or two R^b substituents;

R^6 is selected from:

- 5 (1) hydrogen,
- (2) C_{1-6} alkyl,
- (3) C_{2-6} alkenyl,
- (4) trifluoromethyl,
- (5) phenyl,
- 10 (6) heteroaryl,
- (7) cycloalkyl,
- (8) $-C(O)-R^c$,
- (9) $-CO_2R^c$,
- (10) $-C(O)C(O)OR^c$,
- 15 (11) $-C(O)C(O)NR^eR^f$,
- (12) $-S(O)_2R^c$, and
- (13) $-C(O)N(R^d)S(O)_mR^c$,

wherein alkyl, alkenyl, alkynyl, and cycloalkyl may be optionally substituted with one or two R^a substituents, and aryl may be optionally substituted with one or two R^b substituents;

20 or R^5 and R^6 together form $=CH-N(R^e)(R^f)$;

Ar^1 is 4-chlorophenyl;

Ar^2 is 2,4-dichlorophenyl or 2-chlorophenyl;

each R^a is independently selected from:

- 25 (1) $-OR^e$,
- (2) $-NR^dS(O)_mR^c$,
- (3) $-NO_2$,
- (4) halogen,
- (5) $-S(O)_mR^c$,
- (6) $-SR^e$,
- 30 (7) $-S(O)_2OR^e$,
- (8) $-S(O)_mNR^eR^f$,
- (9) $-NR^eR^f$,
- (10) $-O(CR^eR^f)_nNR^eR^f$,
- (11) $-C(O)R^c$,
- 35 (12) $-CO_2R^c$,

(13) $-\text{CO}_2(\text{CR}^{\text{e}}\text{R}^{\text{f}})_n\text{CONR}^{\text{e}}\text{R}^{\text{f}}$,

(14) $-\text{OC}(\text{O})\text{R}^{\text{c}}$,

(15) $-\text{CN}$,

(16) $-\text{C}(\text{O})\text{NR}^{\text{e}}\text{R}^{\text{f}}$,

(17) $-\text{NR}^{\text{d}}\text{C}(\text{O})\text{R}^{\text{c}}$,

(18) $-\text{NR}^{\text{d}}\text{C}(\text{O})\text{OR}^{\text{e}}$,

(19) $-\text{NR}^{\text{d}}\text{C}(\text{O})\text{NR}^{\text{d}}\text{R}^{\text{e}}$,

(20) $-\text{CR}^{\text{d}}(\text{N}-\text{OR}^{\text{e}})$,

(21) CF_3 ,

(22) $-\text{OCF}_3$,

(23) $\text{C}_3\text{-8cycloalkyl}$, and

(24) cycloheteroalkyl;

each R^{b} is independently selected from:

(1) R^{a} ,

(2) $\text{C}_{1-10}\text{alkyl}$,

(3) aryl,

(4) aryl $\text{C}_{1-4}\text{alkyl}$,

(5) heteroaryl, and

(6) heteroaryl $\text{C}_{1-4}\text{alkyl}$,

wherein each aryl and heteroaryl is unsubstituted or substituted with one or two R^{h} substituents;
each R^{c} is independently selected from:

(1) hydrogen,

(2) $\text{C}_{1-6}\text{alkyl}$,

(3) C_{1-7} perfluoromethyl,

(4) cycloalkyl,

(5) cycloheteroalkyl,

(6) cycloheteroalkyl C_{1-3} alkyl,

(7) phenyl,

(8) phenyl C_{1-3} alkyl,

(9) heteroaryl,

(10) heteroaryl C_{1-3} alkyl, and

(11) $-\text{NR}^{\text{d}}\text{R}^{\text{d}}$;

wherein alkyl, cycloalkyl, cycloheteroalkyl, phenyl, and heteroaryl may be substituted with an R^{h} substituent and alkyl, cycloalkyl, cycloheteroalkyl may be substituted on a carbon or sulfur atom with one or two oxo substituents,

each R^d is independently selected from each R^d is independently selected from hydrogen, C_{1-10} alkyl, C_{1-10} alkylsulfonyl, arylsulfonyl and C_{1-10} alkylcarbonyl-, wherein the alkyl may be unsubstituted or substituted with one, two or three substituents independently selected from R^h ; R^e and R^f are independently selected from hydrogen, C_{1-10} alkyl, C_{2-10} alkenyl, C_{2-10} alkynyl, trifluoromethyl, cycloalkyl, cycloalkyl- C_{1-10} alkyl, cycloheteroalkyl, cycloheteroalkyl- C_{1-10} alkyl, aryl, heteroaryl, aryl- C_{1-10} alkyl, and heteroaryl- C_{1-10} alkyl at each occurrence; or when bonded to the same atom, R^e and R^f together with the atom to which they are attached form a ring of 5 to 7 members containing 0, 1, or 2 heteroatoms independently selected from oxygen, sulfur and nitrogen; and

each R^e and R^f may be unsubstituted or substituted on a carbon or nitrogen atom with one, two or three substituents selected from R^h ;

R^g is selected from:

- (1) C_{1-10} alkyl,
- (2) C_{1-10} alkylcarbonyl-,
- (3) aryl,
- (4) arylcarbonyl,
- (5) C_{1-10} alkylsulfonyl, and
- (6) arylsulfonyl,

wherein each alkyl may be unsubstituted or substituted with one, two or three R^a substituents,

and each aryl may be unsubstituted or substituted with one, two or three R^b substituents;

each R^h is independently selected from:

- (1) halogen,
- (2) C_{1-10} alkyl,
- (3) C_{3-8} cycloalkyl,
- (4) cycloheteroalkyl,
- (5) aryl,
- (6) aryl- C_{1-4} alkyl,
- (7) heteroaryl,
- (8) heteroaryl- C_{1-4} alkyl,
- (9) $-OR^e$,
- (10) $-NR^dS(O)_mR^e$,
- (11) $-S(O)_mR^c$,
- (12) $-SR^e$,
- (13) $-S(O)_2OR^e$,
- (14) $-NR^eR^e$,

- (15) $-\text{O}(\text{CR}^{\text{d}}\text{R}^{\text{d}})_n\text{NR}^{\text{e}}\text{R}^{\text{f}}$,
 (16) $-\text{C}(\text{O})\text{R}^{\text{c}}$,
 (17) $-\text{CO}_2\text{R}^{\text{e}}$,
 (18) $-\text{CO}_2(\text{CR}^{\text{d}}\text{R}^{\text{d}})_n\text{CONR}^{\text{e}}\text{R}^{\text{f}}$,
 5 (19) $-\text{OC}(\text{O})\text{R}^{\text{e}}$,
 (20) $-\text{CN}$,
 (21) $-\text{C}(\text{O})\text{NR}^{\text{e}}\text{R}^{\text{f}}$,
 (22) $-\text{NR}^{\text{d}}\text{C}(\text{O})\text{R}^{\text{e}}$,
 (23) $-\text{OC}(\text{O})\text{NR}^{\text{e}}\text{R}^{\text{f}}$,
 10 (24) $-\text{NR}^{\text{d}}\text{C}(\text{O})\text{OR}^{\text{e}}$,
 (25) $-\text{NR}^{\text{d}}\text{C}(\text{O})\text{NR}^{\text{e}}\text{R}^{\text{f}}$, and
 (26) CF_3 ,

and pharmaceutically acceptable salts thereof.

15 10. The compound according to Claim 2, selected from:

- (1) [3-amino-5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)furo[2,3-*b*]pyridin-2-yl](phenyl)methanone,
 (2) *N*-[2-benzoyl-5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)furo[2,3-*b*]pyridin-3-yl]acetamide,
 (3) 1-[3-amino-5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)furo[2,3-*b*]pyridin-2-yl]ethanone,
 20 (4) *N*-[2-acetyl-5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)furo[2,3-*b*]pyridin-3-yl]acetamide,
 (5) *N*-[2-acetyl-5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)furo[2,3-*b*]pyridin-3-yl]-*N*-(methylsulfonyl)methanesulfonamide,
 (6) ethyl 3-amino-5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)furo[2,3-*b*]pyridine-2-carboxylate,
 25 (7) ethyl 3-(acetylamino)-5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)furo[2,3-*b*]pyridine-2-carboxylate,
 (8) *N*-[5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)-2-(piperidin-1-ylcarbonyl)furo[2,3-*b*]pyridin-3-yl]acetamide,
 (9) *N*-{5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)-2-[(4-methylpiperazin-1-yl)carbonyl]furo[2,3-*b*]pyridin-3-yl}acetamide,
 30 (10) 3-(acetylamino)-5-(4-chlorophenyl)-*N*-cyclopropyl-6-(2,4-dichlorophenyl)furo[2,3-*b*]pyridine-2-carboxamide,
 (11) *N*-[5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)-2-(pyrrolidin-1-ylcarbonyl)furo[2,3-*b*]pyridin-3-yl]acetamide,

- (12) 1-[3-amino-5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)furo[2,3-*b*]pyridin-2-yl]-2,2-dimethylpropan-1-one,
- (13) *N*-[5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridin-3-yl]acetamide,
- 5 (14) [3-amino-5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)furo[2,3-*b*]pyridin-2-yl](pyridin-3-yl)methanone,
- (15) [3-amino-5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)furo[2,3-*b*]pyridin-2-yl](3,4-difluorophenyl)methanone,
- (16) [3-amino-5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)furo[2,3-*b*]pyridin-2-yl](3,4-difluorophenyl)methanone,
- 10 (17) *N*-[5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)-2-(pyridin-3-ylcarbonyl)furo[2,3-*b*]pyridin-3-yl]-2,2-dimethylpropanamide,
- (18) methyl 5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)-2-(pyridin-3-ylcarbonyl) furo[2,3-*b*]pyridin-3-ylcarbamate,
- 15 (19) *N*-[5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)-2-(2,2-dimethylpropanoyl)furo [2,3-*b*]pyridin-3-yl]sulfamide,
- (20) *N*-[5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)-2-(2,2-dimethylpropanoyl)furo [2,3-*b*]pyridin-3-yl]methanesulfonamide,
- (21) *N*-[2-(2-azabicyclo[2.2.2]oct-2-ylcarbonyl)-5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)furo[2,3-*b*]pyridin-3-yl]acetamide,
- 20 (22) *N'*-[5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)-2-(pyridin-3-ylcarbonyl)furo[2,3-*b*]pyridin-3-yl]-*N,N*-dimethylurea,
- (23) *N*-[5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)-2-(pyridin-3-ylcarbonyl)furo[2,3-*b*]pyridin-3-yl]-2,2,2-trifluoroacetamide,
- 25 (24) 1-[3-amino-5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)furo[2,3-*b*]pyridin-2-yl] propan-1-one,
- (25) *N*-[5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridin-3-yl]-2,2,2-trifluoroacetamide,
- (26) 1-[5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)-3-(methylamino)furo[2,3-*b*] pyridin-2-yl]-2,2-dimethylpropan-1-one,
- 30 (27) 1-[5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)-3-(dimethylamino)furo[2,3-*b*] pyridin-2-yl]-2,2-dimethylpropan-1-one,
- (28) [5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)-3-(dimethylamino)furo[2,3-*b*] pyridin-2-yl](pyridin-3-yl)methanone,
- 35 (29) 3-amino-5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)furo[2,3-*b*]pyridine-2-carbonitrile,

- (30) *N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2-hydroxy-2-methylpropanoyl) furo[2,3-*b*]pyridin-3-yl]-2-hydroxyacetamide,
- (31) *N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2-hydroxy-2-methylpropanoyl) furo[2,3-*b*]pyridin-3-yl]acetamide,
- 5 (32) *N*-[5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)-2-(2-hydroxy-2-methyl propanoyl)furo[2,3-*b*]pyridin-3-yl]-2-hydroxyacetamide,
- and pharmaceutically acceptable salts thereof.

11. The compound according to Claim 2, selected from:

- 10 (1) [3-amino-5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)furo[2,3-*b*]pyridin-2-yl](phenyl)methanone,
- (2) *N*-[2-benzoyl-5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)furo[2,3-*b*]pyridin-3-yl]acetamide,
- (3) 1-[3-amino-5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)furo[2,3-*b*]pyridin-2-yl]ethanone,
- (4) *N*-[2-acetyl-5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)furo[2,3-*b*]pyridin-3-yl]acetamide,
- 15 (5) *N*-[2-acetyl-5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)furo[2,3-*b*]pyridin-3-yl]-*N*-(methylsulfonyl)methanesulfonamide,
- (6) ethyl 3-amino-5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)furo[2,3-*b*]pyridine-2-carboxylate,
- (7) ethyl 3-(acetylamino)-5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)furo[2,3-*b*]pyridine-2-
- 20 carboxylate,
- (8) *N*-[5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)-2-(piperidin-1-ylcarbonyl)furo[2,3-*b*]pyridin-3-yl]acetamide,
- (9) *N*-{5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)-2-[(4-methylpiperazin-1-yl)carbonyl]furo[2,3-*b*]pyridin-3-yl}acetamide,
- 25 (10) 3-(acetylamino)-5-(4-chlorophenyl)-*N*-cyclopropyl-6-(2,4-dichlorophenyl)furo[2,3-*b*]pyridine-2-carboxamide,
- (11) *N*-[5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)-2-(pyrrolidin-1-ylcarbonyl)furo[2,3-*b*]pyridin-3-yl]acetamide,
- (12) 1-[3-amino-5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)furo[2,3-*b*]pyridin-2-yl]-2,2-
- 30 dimethylpropan-1-one,
- (13) *N*-[5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridin-3-yl]acetamide,
- (14) [3-amino-5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)furo[2,3-*b*]pyridin-2-yl](pyridin-3-yl)methanone,

- (15) [3-amino-5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)furo[2,3-*b*]pyridin-2-yl](3,4-difluorophenyl)methanone,
- (16) [3-amino-5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)furo[2,3-*b*]pyridin-2-yl](3,4-difluorophenyl)methanone,
- 5 (17) *N*-[5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)-2-(pyridin-3-ylcarbonyl)furo[2,3-*b*]pyridin-3-yl]-2,2-dimethylpropanamide,
- (18) methyl 5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)-2-(pyridin-3-ylcarbonyl) furo[2,3-*b*]pyridin-3-ylcarbamate,
- (19) *N*-[5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)-2-(2,2-dimethylpropanoyl)furo [2,3-*b*]pyridin-3-yl]sulfamide,
- 10 (20) *N*-[5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)-2-(2,2-dimethylpropanoyl)furo [2,3-*b*]pyridin-3-yl]methanesulfonamide,
- (21) *N*-[2-(2-azabicyclo[2.2.2]oct-2-ylcarbonyl)-5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)furo[2,3-*b*]pyridin-3-yl]acetamide,
- 15 (22) *N'*-[5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)-2-(pyridin-3-ylcarbonyl)furo[2,3-*b*]pyridin-3-yl]-*N,N*-dimethylurea,
- (23) *N*-[5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)-2-(pyridin-3-ylcarbonyl)furo[2,3-*b*]pyridin-3-yl]-2,2,2-trifluoroacetamide,
- (24) 1-[3-amino-5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)furo[2,3-*b*]pyridin-2-yl] propan-1-one,
- 20 (25) *N*-[5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridin-3-yl]-2,2,2-trifluoroacetamide,
- (26) 1-[5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)-3-(methylamino)furo[2,3-*b*] pyridin-2-yl]-2,2-dimethylpropan-1-one,
- 25 (27) 1-[5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)-3-(dimethylamino)furo[2,3-*b*] pyridin-2-yl]-2,2-dimethylpropan-1-one,
- (28) [5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)-3-(dimethylamino)furo[2,3-*b*] pyridin-2-yl](pyridin-3-yl)methanone,
- (29) 3-amino-5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)furo[2,3-*b*]pyridine-2-carbonitrile,
- 30 and pharmaceutically acceptable salts thereof.

12. The compound according to Claim 1 selected from:

- (1) *N*-[5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridin-3-yl]butanamide, *N*-[5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridin-3-yl]pentanamide,
- 35

- (3) ethyl 5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)-3-[(trifluoroacetyl)amino]furo[2,3-*b*]pyridine-2-carboxylate,
- (4) *N*-[5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)-2-(piperidin-1-ylcarbonyl)furo[2,3-*b*]pyridin-3-yl]-2,2,2-trifluoroacetamide,
- 5 (5) 5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)-2-(piperidin-1-ylcarbonyl)furo[2,3-*b*]pyridin-3-amine,
- (6) *N*-[5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridin-3-yl]-2-methoxyacetamide,
- (7) *N'*-[5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridin-3-yl]-*N,N*-dimethylurea,
- 10 (8) *N*-[5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridin-3-yl]morpholine-4-carboxamide,
- (9) *N*-[5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridin-3-yl]-*N'*-ethylurea,
- 15 (10) 2-{[5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridin-3-yl]amino}-2-oxoethyl acetate,
- (11) *N*-[5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridin-3-yl]-2-hydroxyacetamide,
- (12) 1-[5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)-3-(ethylamino)furo[2,3-*b*]pyridin-2-yl]-2,2-dimethylpropan-1-one,
- 20 (13) 1-[3-amino-5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)furo[2,3-*b*]pyridin-2-yl]-2-methylpropan-1-one,
- (14) [3-amino-5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)furo[2,3-*b*]pyridin-2-yl](cyclopropyl)methanone,
- 25 (15) [3-amino-5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)furo[2,3-*b*]pyridin-2-yl](cyclobutyl)methanone,
- (16) *N*-[5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)-2-isobutyrylfuro[2,3-*b*]pyridin-3-yl]-2-hydroxyacetamide, *N*-[5-(4-chlorophenyl)-2-(cyclobutylcarbonyl)-6-(2,4-dichlorophenyl)furo[2,3-*b*]pyridin-3-yl]-2-hydroxyacetamide, 4-chloro-*N*-[5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridin-3-yl]butanamide,
- 30 (19) 1-[5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridin-3-yl]pyrrolidin-2-one,
- (20) 5-(4-chlorophenyl)-6-(2,4-dichlorophenyl)-2-(3,4-difluorophenyl)furo[2,3-*b*]pyridin-3-ol,

- (21) 1-[3-amino-6-(2-chlorophenyl)-5-(4-chlorophenyl)furo[2,3-*b*]pyridin-2-yl]-2,2-dimethylpropan-1-one,
- (22) *N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridin-3-yl]acetamide,
- 5 (23) *N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridin-3-yl]-2-methoxyacetamide,
- (24) 2-[[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridin-3-yl]amino]-2-oxoethyl acetate,
- (25) *N'*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridin-3-yl]-*N,N*-dimethylurea,
- 10 (26) *N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridin-3-yl]methanesulfonamide,
- (27) *N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridin-3-yl]morpholine-4-carboxamide,
- 15 (28) 2-chloro-*N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridin-3-yl]acetamide,
- (29) (1*S*)-2-[[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridin-3-yl]amino]-1-methyl-2-oxoethyl acetate,
- (30) ethyl [6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridin-3-yl]carbamate,
- 20 (31) ethyl {[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridin-3-yl]amino}(oxo)acetate,
- (32) *N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridin-3-yl]-1-(trifluoroacetyl)-(*S*)-prolinamide,
- 25 (33) 3-chloro-*N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridin-3-yl]propane-1-sulfonamide,
- (34) 1-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-3-(dimethylamino)furo[2,3-*b*]pyridin-2-yl]-2,2-dimethylpropan-1-one,
- (35) 1-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-3-(ethylamino)furo[2,3-*b*]pyridin-2-yl]-2,2-dimethylpropan-1-one,
- 30 (36) *N'*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridin-3-yl]-*N,N*-dimethylimidofornamide,
- (37) *N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridin-3-yl]acetamide,

- (38) *tert*-butyl [6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridin-3-yl]carbamate,
- (39) 1-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridin-3-yl]pyrrolidine-2,5-dione,
- 5 (40) 4-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridin-3-yl]morpholine-3,5-dione,
- (41) 3-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridin-3-yl]-3-azabicyclo[3.1.0]hexane-2,4-dione,
- (42) (3*S*)-1-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridin-3-yl]-3-hydroxypyrrolidine-2,5-dione,
- 10 (43) *N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridin-3-yl]-*N*-methylacetamide,
- (44) *N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridin-3-yl]-2-hydroxyacetamide,
- 15 (45) *N*¹-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridin-3-yl]glycinamide,
- (46) *N*¹-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridin-3-yl]-*N*²-methylglycinamide,
- (47) *N*¹-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridin-3-yl]-*N*²,*N*²-dimethylglycinamide,
- 20 (48) (2*S*)-*N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridin-3-yl]-2-hydroxypropanamide,
- (49) ethyl allyl[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridin-3-yl]carbamate,
- 25 (50) ethyl [6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridin-3-yl][2-(dimethylamino)ethyl]carbamate,
- (51) 1-[3-(allylamino)-6-(2-chlorophenyl)-5-(4-chlorophenyl)furo[2,3-*b*]pyridin-2-yl]-2,2-dimethylpropan-1-one,
- (52) 1-(6-(2-chlorophenyl)-5-(4-chlorophenyl)-3-{[2-(dimethylamino)ethyl] amino}furo[2,3-*b*]pyridin-2-yl)-2,2-dimethylpropan-1-one,
- 30 (53) *N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridin-3-yl]-*L*-prolinamide,
- (54) 1-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-3-(1,1-dioxidoisothiazolidin-2-yl)furo[2,3-*b*]pyridin-2-yl]-2,2-dimethylpropan-1-one,

- (55) 1-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridin-3-yl]-3-methylimidazolidin-2-one,
- (56) 1-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2-hydroxy-2-methylpropanoyl) furo[2,3-*b*]pyridin-3-yl]-3-methylimidazolidine-2,4-dione,
- 5 (57) 1-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridin-3-yl]-4-methylpiperazine-2,3-dione,
- (58) 1-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridin-3-yl]-4-methylpiperazine-2,5-dione,
- (59) 1-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-3-hydroxyfuro[2,3-*b*]pyridin-2-yl]-2,2-
10 dimethylpropan-1-one,
- (60) 1-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-3-methylfuro[2,3-*b*]pyridin-2-yl]-2,2-dimethylpropan-1-one,
- (61) 6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridine-3-carbaldehyde,
- 15 (62) methyl 6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridine-3-carboxylate,
- (63) 6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2,2-dimethylpropanoyl)-*N,N*-diethylfuro[2,3-*b*]pyridine-3-carboxamide,
- (64) 1-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-3-(4*H*-1,2,4-triazol-4-yl)furo[2,3-*b*]pyridin-2-yl]-
20 2,2-dimethylpropan-1-one,
- (65) 1-[6-(2-chlorophenyl)-5-(4-chlorophenyl)furo[2,3-*b*]pyridin-2-yl]-2,2-dimethylpropan-1-one,
- (66) 1-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-3-(pyridin-2-ylamino)furo[2,3-*b*]pyridin-2-yl]-
2,2-dimethylpropan-1-one,
- 25 (67) 1-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-3-(pyrimidin-2-ylamino)-furo[2,3-*b*]pyridin-2-yl]-2,2-dimethylpropan-1-one,
- (68) 1-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-3-(pyrimidin-5-ylamino)-furo[2,3-*b*]pyridin-2-yl]-2,2-dimethylpropan-1-one,
- (69) 1-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-3-(pyridin-3-ylamino)-furo[2,3-*b*]pyridin-2-yl]-
30 2,2-dimethylpropan-1-one,
- (70) 1-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-3-(pyridin-4-ylamino)-furo[2,3-*b*]pyridin-2-yl]-2,2-dimethylpropan-1-one,
- (71) 1-[3-amino-6-(2-chlorophenyl)-5-(4-chlorophenyl)furo[2,3-*b*]pyridin-2-yl]-2-hydroxy-2-methylpropan-1-one,

- (72) *N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2-hydroxy-2-methylpropanoyl)furo[2,3-*b*]pyridin-3-yl]cyclopropanecarboxamide,
- (73) *N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2-hydroxy-2-methylpropanoyl)furo[2,3-*b*]pyridin-3-yl]-2-methylpropanamide,
- 5 (74) *N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2-hydroxy-2-methylpropanoyl)furo[2,3-*b*]pyridin-3-yl]-3-methylbutanamide,
- (75) *N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2-hydroxy-2-methylpropanoyl)furo[2,3-*b*]pyridin-3-yl]butanamide,
- (76) *N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2-hydroxy-2-methylpropanoyl)furo[2,3-*b*]pyridin-3-yl]propanamide,
- 10 (77) *N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2-hydroxy-2-methylpropanoyl)furo[2,3-*b*]pyridin-3-yl]-2-methoxyacetamide,
- (78) *N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2-hydroxy-2-methylpropanoyl)furo[2,3-*b*]pyridin-3-yl]-2-hydroxy-2-methylpropanamide,
- 15 (79) 4-chloro-*N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2-hydroxy-2-methylpropanoyl)furo[2,3-*b*]pyridin-3-yl]butanamide,
- (80) 1-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2-hydroxy-2-methylpropanoyl)furo[2,3-*b*]pyridin-3-yl]pyrrolidin-2-one,
- (81) *N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2-hydroxy-2-methylpropanoyl)furo[2,3-*b*]pyridin-3-yl]sulfamide,
- 20 (82) 2-chloro-*N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2-hydroxy-2-methylpropanoyl)furo[2,3-*b*]pyridin-3-yl]acetamide,
- (83) *N*¹-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2-hydroxy-2-methylpropanoyl)furo[2,3-*b*]pyridin-3-yl]-*N*²-methylglycinamide,
- 25 (84) *N*²-acetyl-*N*¹-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2-hydroxy-2-methylpropanoyl)furo[2,3-*b*]pyridin-3-yl]-*N*²-methylglycinamide,
- (85) 2-azetidin-1-yl-*N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2-hydroxy-2-methylpropanoyl)furo[2,3-*b*]pyridin-3-yl]acetamide,
- (86) *N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2-hydroxy-2-methylpropanoyl)furo[2,3-*b*]pyridin-3-yl]-2-(1*H*-imidazol-1-yl)acetamide,
- 30 (87) 1-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2-hydroxy-2-methylpropanoyl)furo[2,3-*b*]pyridin-3-yl]pyrrolidine-2,5-dione,
- (88) methyl 3-{[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2-hydroxy-2-methylpropanoyl)furo[2,3-*b*]pyridin-3-yl]amino}-3-oxopropanoate,

- (89) *N*²-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2-hydroxy-2-methylpropanoyl)furo[2,3-*b*]pyridin-3-yl]-*N*¹,*N*¹-dimethylglycinamide,
- (90) ethyl [6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2-hydroxy-2-methylpropanoyl)furo[2,3-*b*]pyridin-3-yl]carbamate, *N*'-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2-hydroxy-2-methylpropanoyl)furo[2,3-*b*]pyridin-3-yl]-*N,N*-dimethylethanediamide, *N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2-hydroxy-2-methylpropanoyl)furo[2,3-*b*]pyridin-3-yl]-*N*'-methylethanediamide, *N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2-hydroxy-2-methylpropanoyl)furo[2,3-*b*]pyridin-3-yl]-*N*'-(2-hydroxyethyl)ethanediamide,
- (94) *N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2-hydroxy-2-methylpropanoyl)furo[2,3-*b*]pyridin-3-yl]-*N*'-ethylethanediamide,
- (95) *N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2-hydroxy-2-methylpropanoyl)furo[2,3-*b*]pyridin-3-yl]-2-oxo-2-pyrrolidin-1-ylacetamide,
- (96) *N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2-hydroxy-2-methylpropanoyl)furo[2,3-*b*]pyridin-3-yl]-*N*'-ethylurea,
- (97) *N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2-hydroxy-2-methylpropanoyl)furo[2,3-*b*]pyridin-3-yl]morpholine-4-carboxamide,
- (98) *N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2-hydroxy-2-methylpropanoyl)furo[2,3-*b*]pyridin-3-yl]pyrrolidine-1-carboxamide,
- (99) 1-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-3-(methylamino)furo[2,3-*b*]pyridin-2-yl]-2-hydroxy-2-methylpropan-1-one,
- (100) 1-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2-hydroxy-2-methylpropanoyl)furo[2,3-*b*]pyridin-3-yl]imidazolidine-2,4-dione,
- (101) 1-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2-hydroxy-2-methylpropanoyl)furo[2,3-*b*]pyridin-3-yl]-3-methylimidazolidin-2-one,
- (102) 1-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2-hydroxy-2-methylpropanoyl)furo[2,3-*b*]pyridin-3-yl]-3-methylimidazolidine-2,4-dione,
- (103) 3-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2-hydroxy-2-methylpropanoyl)furo[2,3-*b*]pyridin-3-yl]-1,3-oxazolidin-2-one,
- (104) *N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2-hydroxy-2-methylpropanoyl)furo[2,3-*b*]pyridin-3-yl]-*N*',2,2-trimethylmalonamide,
- (105) *N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2-hydroxy-2-methylpropanoyl)furo[2,3-*b*]pyridin-3-yl]-(*S*)-prolinamide,
- (106) 1-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-3-(1,1-dioxidoisothiazolidin-2-yl)furo[2,3-*b*]pyridin-2-yl]-2-hydroxy-2-methylpropan-1-one,

- (107) *N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2-hydroxy-2-methylpropanoyl)furo[2,3-*b*]pyridin-3-yl]-2,2-dimethylmalonamide,
- (108) 1-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-3-methylfuro[2,3-*b*]pyridin-2-yl]-2-hydroxy-2-methylpropan-1-one,
- 5 (109) 1-[3-amino-6-(2-chlorophenyl)-5-(4-chlorophenyl)furo[2,3-*b*]pyridin-2-yl]-2-methylpropan-1-one,
- (110) 2-[[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-isobutyrylfuro[2,3-*b*]pyridin-3-yl]amino}-2-oxoethyl acetate,
- (111) *N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-isobutyrylfuro[2,3-*b*]pyridin-3-yl]-2-
10 hydroxyacetamide,
- (112) *N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-isobutyrylfuro[2,3-*b*]pyridin-3-yl]-2-hydroxy-*N*-methylacetamide,
- (113) *N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-isobutyrylfuro[2,3-*b*]pyridin-3-yl]acetamide,
- (114) 4-chloro-*N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-isobutyrylfuro[2,3-*b*]pyridin-3-
15 yl]butanamide,
- (115) 1-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-isobutyrylfuro[2,3-*b*]pyridin-3-yl]pyrrolidin-2-one,
- (116) *N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-isobutyrylfuro[2,3-*b*]pyridin-3-yl]-*N*-methylacetamide,
- 20 (117) 1-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-isobutyrylfuro[2,3-*b*]pyridin-3-yl]pyrrolidine-2,5-dione,
- (118) 4-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-isobutyrylfuro[2,3-*b*]pyridin-3-yl]morpholine-3,5-dione,
- (119) *N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-isobutyrylfuro[2,3-*b*]pyridin-3-
25 yl]methanesulfonamide,
- (120) 1-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-isobutyrylfuro[2,3-*b*]pyridin-3-yl]imidazolidine-2,4-dione,
- (121) *N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-isobutyrylfuro[2,3-*b*]pyridin-3-yl]urea,
- (122) 1-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-isobutyrylfuro[2,3-*b*]pyridin-3-yl]piperidine-
30 2,6-dione,
- (123) 3-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-isobutyrylfuro[2,3-*b*]pyridin-3-yl]-3-azabicyclo[3.1.0]hexane-2,4-dione,
- (124) 1-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-3-(1,1-dioxidoisothiazolidin-2-yl)furo[2,3-*b*]pyridin-2-yl]-2-methylpropan-1-one,

- (125) *N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-isobutyrylfuro[2,3-*b*]pyridin-3-yl]-*N*-methylmethanesulfonamide,
- (126) [3-amino-6-(2-chlorophenyl)-5-(4-chlorophenyl)furo[2,3-*b*]pyridin-2-yl](pyridin-3-yl)methanone,
- 5 (127) *N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(pyridin-3-ylcarbonyl)furo[2,3-*b*]pyridin-3-yl]-2-hydroxyacetamide,
- (128) [3-amino-6-(2-chlorophenyl)-5-(4-chlorophenyl)furo[2,3-*b*]pyridin-2-yl](2-furyl)-methanone,
- (129) *N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2-furoyl)furo[2,3-*b*]pyridin-3-yl]acetamide,
- 10 (130) *N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(2-furoyl)furo[2,3-*b*]pyridin-3-yl]acetamide,
- (131) 2-(*tert*-butylsulfonyl)-6-(2-chlorophenyl)-5-(4-chlorophenyl)furo[2,3-*b*]pyridin-3-amine,
- (132) *N*-[2-(*tert*-butylsulfonyl)-6-(2-chlorophenyl)-5-(4-chlorophenyl)-furo[2,3-*b*]pyridin-3-yl]methanesulfonamide,
- 15 (133) *N*-[2-(*tert*-butylsulfonyl)-6-(2-chlorophenyl)-5-(4-chlorophenyl)-furo[2,3-*b*]pyridin-3-yl]acetamide,
- (134) *N*-[2-(*tert*-butylsulfonyl)-6-(2-chlorophenyl)-5-(4-chlorophenyl)-furo[2,3-*b*]pyridin-3-yl]acetamide,
- (135) 2-{[2-(*tert*-butylsulfonyl)-6-(2-chlorophenyl)-5-(4-chlorophenyl)-furo[2,3-*b*]pyridin-3-yl]amino}-2-oxoethyl acetate,
- 20 (136) *N*-[2-(*tert*-butylsulfonyl)-6-(2-chlorophenyl)-5-(4-chlorophenyl)-furo[2,3-*b*]pyridin-3-yl]-2-hydroxyacetamide,
- (137) 1-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(methylsulfonyl)-furo[2,3-*b*]pyridin-3-yl]pyrrolidine-2,5-dione,
- 25 (138) *N*-[2-(*tert*-butylsulfonyl)-6-(2-chlorophenyl)-5-(4-chlorophenyl)-furo[2,3-*b*]pyridin-3-yl]-*N*-methylmethanesulfonamide,
- (139) *N*-[2-(*tert*-butylsulfonyl)-6-(2-chlorophenyl)-5-(4-chlorophenyl)-furo[2,3-*b*]pyridin-3-yl]-*N*-methylacetamide,
- (140) 1-[2-(*tert*-butylsulfonyl)-6-(2-chlorophenyl)-5-(4-chlorophenyl)-furo[2,3-*b*]pyridin-3-yl]imidazolidine-2,4-dione, 6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(phenylsulfonyl)furo[2,3-*b*]pyridin-3-amine,
- 30 (142) 2-{[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(phenylsulfonyl)furo[2,3-*b*]pyridin-3-yl]amino}-2-oxoethyl acetate,
- (143) *N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(phenylsulfonyl)furo[2,3-*b*]pyridin-3-yl]-2-hydroxyacetamide,
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- (144) 2-chloro-*N*-({[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(phenylsulfonyl)furo[2,3-*b*]pyridin-3-yl]amino}carbonyl)acetamide,
- (145) 1-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(phenylsulfonyl)furo[2,3-*b*]pyridin-3-yl]imidazolidine-2,4-dione,
- 5 (146) 6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(methylsulfonyl)furo[2,3-*b*]pyridin-3-amine, *N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(methylsulfonyl)-furo[2,3-*b*]pyridine-3-yl]acetamide,
- (148) *N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(methylsulfonyl)-furo[2,3-*b*]pyridin-3-yl]butanamide,
- 10 (149) ethyl 3-amino-6-(2-chlorophenyl)-5-(4-chlorophenyl)furo[2,3-*b*]pyridine-2-carboxylate,
- (150) ethyl 6-(2-chlorophenyl)-5-(4-chlorophenyl)-3-[(trifluoroacetyl)amino]furo[2,3-*b*]pyridine-2-carboxylate,
- (151) 6-(2-chlorophenyl)-5-(4-chlorophenyl)-*N,N*-diethyl-3-[(trifluoroacetyl)amino]furo[2,3-*b*]pyridine-2-carboxamide,
- 15 (152) 3-amino-6-(2-chlorophenyl)-5-(4-chlorophenyl)-*N,N*-diethylfuro[2,3-*b*]pyridine-2-carboxamide,
- (153) 3-(acetylamino)-6-(2-chlorophenyl)-5-(4-chlorophenyl)-*N,N*-diethylfuro[2,3-*b*]pyridine-2-carboxamide,
- 20 (154) 3-(acetylamino)-6-(2-chlorophenyl)-5-(4-chlorophenyl)-*N*-ethyl-*N*-methylfuro[2,3-*b*]pyridine-2-carboxamide,
- (155) 6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(piperidin-1-ylcarbonyl)furo[2,3-*b*]pyridin-3-amine,
- (156) *N*-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(piperidin-1-ylcarbonyl)furo[2,3-*b*]pyridin-3-yl]acetamide,
- 25 (157) 6-(2-chlorophenyl)-5-(4-chlorophenyl)-*N,N*-diethyl-3-(glycoloylamino)furo[2,3-*b*]pyridine-2-carboxamide,
- (158) 6-(2-chlorophenyl)-5-(4-chlorophenyl)-3-(glycoloylamino)-*N,N*-dimethylfuro[2,3-*b*]pyridine-2-carboxamide,
- 30 (159) 6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(pyrrolidin-1-ylcarbonyl)furo[2,3-*b*]pyridin-3-amine,
- (160) 1-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(pyrrolidin-1-ylcarbonyl)furo[2,3-*b*]pyridin-3-yl]pyrrolidine-2,5-dione,
- (161) 1-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-2-(pyrrolidin-1-ylcarbonyl)furo[2,3-*b*]pyridin-3-yl]-3-methylimidazolidine-2,4-dione,
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- (162) 6-(2-chlorophenyl)-5-(4-chlorophenyl)-3-(2,4-dioxoimidazolidin-1-yl)-*N,N*-diethylfuro[2,3-*b*]pyridine-2-carboxamide,
- (163) 6-(2-chlorophenyl)-5-(4-chlorophenyl)-*N,N*-diethyl-3-[(methylsulfonyl)amino]furo[2,3-*b*]pyridine-2-carboxamide,
- 5 (164) 6-(2-chlorophenyl)-5-(4-chlorophenyl)-*N,N*-diethyl-3-[(propylsulfonyl)amino]furo[2,3-*b*]pyridine-2-carboxamide,
- (165) 6-(2-chlorophenyl)-5-(4-chlorophenyl)-3-(2,5-dioxopyrrolidin-1-yl)-*N,N*-diethylfuro[2,3-*b*]pyridine-2-carboxamide,
- (166) 1-[6-(2-chlorophenyl)-5-(4-chlorophenyl)-3-(1-methyl-1*H*-imidazol-2-yl)furo[2,3-*b*]pyridin-2-yl]-2,2-dimethylpropan-1-one,
- 10 (167) 4-[3-amino-5-(4-chlorophenyl)-2-(2-hydroxy-2-methylpropanoyl)furo[2,3-*b*]pyridin-6-yl]-3-chlorobenzonitrile,
- (168) *N*-[6-(2-chloro-4-cyanophenyl)-5-(4-chlorophenyl)-2-(2-hydroxy-2-methylpropanoyl)furo[2,3-*b*]pyridin-3-yl]acetamide,
- 15 (169) 3-[3-amino-6-(2,4-dichlorophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridin-5-yl]benzonitrile,
- (170) 4-[3-amino-6-(2-chlorophenyl)-2-(2-hydroxy-2-methylpropanoyl)furo[2,3-*b*]pyridin-5-yl]benzonitrile,
- (171) *N*-[6-(2-chlorophenyl)-5-(4-cyanophenyl)-2-(2-hydroxy-2-methylpropanoyl)furo[2,3-*b*]pyridin-3-yl]acetamide,
- 20 (172) 1-[3-amino-6-(1,3-benzodioxol-5-yl)-5-(4-chlorophenyl)furo[2,3-*b*]pyridin-2-yl]-2,2-dimethylpropan-1-one, 1-[3-amino-6-(2-chloro-4-fluorophenyl)-5-(4-chlorophenyl)furo[2,3-*b*]pyridin-2-yl]-2,2-dimethylpropan-1-one,
- (174) *N*-[6-(2-chloro-4-fluorophenyl)-5-(4-chlorophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridin-3-yl]-2-methoxyacetamide,
- 25 (175) *N*-[6-(2-chloro-4-fluorophenyl)-5-(4-chlorophenyl)-2-(2-hydroxy-2-methylpropanoyl)furo[2,3-*b*]pyridin-3-yl]-2-hydroxyacetamide,
- (176) *N*-[5-(4-chlorophenyl)-6-(2-cyanophenyl)-2-(2-hydroxy-2-methylpropanoyl)furo[2,3-*b*]pyridin-3-yl]acetamide,
- 30 (177) *N*-[5-(4-chlorophenyl)-6-(2-cyanophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridin-3-yl]acetamide,
- (178) *N*-[5-(4-chlorophenyl)-6-(2-cyanophenyl)-2-(2,2-dimethylpropanoyl)furo[2,3-*b*]pyridin-3-yl]-2-hydroxyacetamide,
- (179) *N*-[6-(4-chloro-2-cyanophenyl)-5-(4-chlorophenyl)-2-(2-hydroxy-2-methylpropanoyl)furo[2,3-*b*]pyridin-3-yl]acetamide,
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(180) *N*-[6-(2-chlorophenyl)-2-(2-hydroxy-2-methylpropanoyl)-5-(4-methoxyphenyl)furo[2,3-*b*]pyridin-3-yl]acetamide, *N*-[6-(2-chlorophenyl)-2-(2,2-dimethylpropanoyl)-5-(4-methoxyphenyl)furo[2,3-*b*]pyridin-3-yl]acetamide, and pharmaceutically acceptable salts thereof.

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13. A method of treating a disease mediated by the Cannabinoid-1 receptor comprising administration to a patient in need of such treatment of a therapeutically effective amount of a compound according to Claim 1.

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14. The method according to Claim 13 wherein the disease mediated by the Cannabinoid-1 receptor is selected from: psychosis, memory deficit, cognitive disorders, migraine, neuropathy, neuro-inflammatory disorders, cerebral vascular accidents, head trauma, anxiety disorders, stress, epilepsy, Parkinson's disease, schizophrenia, substance abuse disorders, constipation, chronic intestinal pseudo-obstruction, cirrhosis of the liver, asthma, obesity, and other eating disorders associated with excessive food intake.

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15. The method according to Claim 14 wherein the disease mediated by the Cannabinoid-1 receptor is an eating disorder associated with excessive food intake.

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16. The method according to Claim 15 wherein the eating disorder associated with excessive food intake is selected from obesity, bulimia nervosa, and compulsive eating disorders.

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17. The method according to Claim 16 wherein the eating disorder associated with excessive food intake is obesity.

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18. A method of preventing obesity in a person at risk for obesity comprising administration to said person of about 0.001 mg to about 100 mg per kg of a compound according to Claim 1.

19. A composition comprising a compound according to Claim 1 and a pharmaceutically acceptable carrier.

20. The use of a compound according to Claim 1,

for the manufacture of a medicament useful for the treatment of a disease mediated by the Cannabinoid-1 receptor in a human patient in need of such treatment.

21. The use according to Claim 20 wherein the disease mediated by the
5 Cannabinoid-1 receptor is selected from: psychosis, memory deficit, cognitive disorders, migraine, neuropathy, neuro-inflammatory disorders, cerebral vascular accidents, head trauma, anxiety disorders, stress, epilepsy, Parkinson's disease, schizophrenia, substance abuse disorders, constipation, chronic intestinal pseudo-obstruction, cirrhosis of the liver, asthma, obesity, and
10 other eating disorders associated with excessive food intake.

22. The use according to Claim 21 wherein the disease mediated by the Cannabinoid-1 receptor is an eating disorder associated with excessive food intake.

23. The use according to Claim 22, wherein the eating disorder associated
15 with excessive food intake is selected from obesity, bulimia nervosa, and compulsive eating disorders.

24. The use according to Claim 23 wherein the eating disorder associated with excessive food intake is obesity.

25. The use of a compound according to Claim 1 for the
20 manufacture of a medicament for the prevention of obesity in a person at risk therefor.